INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER		
Int.Cl ⁷ H01M4/90, H01M8/04, H01M8/06		
According to International Patent Classification (IPC) or to both national cla	assification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classif Int.Cl ⁷ H01M4/90, H01M8/00-8/24	ication symbols)	
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsu	au Jitsuyo Shinan Koho 1994-2004 nyo Shinan Toroku Koho 1996-2004	
Electronic data base consulted during the international search (name of data	base and, where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where approp	• •	
X JP 2003-59519 A (Mitsubishi Heat Y Ltd.), A 28 February, 2003 (28.02.03), Claim 11; Par. Nos. [0030], [004 [0102] (Family: none)	5,10 9	
Y JP 2002-56873 A (Mitsubishi Hea Ltd.), 22 February, 2002 (22.02.02), Par. No. [0011] (Family: none)	vy Industries, 5	
Y JP 2000-53403 A (Toyota Motor C 22 February, 2000 (22.02.00), Full text (Family: none)	orp.), 5	
× Further documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "T" "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international "X" filing date "L" document which may throw doubts on priority claim(s) or which is	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&"	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
Date of the actual completion of the international search 07 June, 2004 (07.06.04)	e of mailing of the international search report 22 June, 2004 (22.06.04)	
Name and mailing address of the ISA/ Japanese Patent Office Authorized	horized officer	
Facsimile No. Tele orm PCT/ISA/210 (second sheet) (January 2004)	phone No.	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/003144

		PCT/JP2(004/003144
C (Continuation	a). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	JP 5-299105 A (Mitsubishi Heavy Industries, Ltd.), 12 November, 1993 (12.11.93), Full text (Family: none)		10
Х .	Gijutsu to sono Oyo", Shohan, Technosyste	pervised by Zen'ichiro TAKEHARA, "Nenryo Denchi ijutsu to sono Oyo", Shohan, Technosystem, 30 anuary, 2000 (30.01.00), pages 239 to 243	
P, X	JP 2004-71450 A (Daikin Industries, Ltd. 04 March, 2004 (04.03.04), Claim 1; Par. Nos. [0004] to [0103] (Family: none)),	1-4,6-8,11
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